

# YUJI TABATA

## Software Engineer

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yuji-tabata

## EXPERIENCE

### Software Engineer

#### SoftBank Corp.

Apr. 2018 - Ongoing

Tokyo, JAPAN

- Invented an NFC tag application framework targeted for big companies. I am leading a group of 10 people to introduce this framework into the SoftBank's corporate iOS app to improve the accessibility for the employees to the facilities in the office.
- Migrated GitLab, Kanboard (a Kanban tool), and other server software from on-premises servers to Google Cloud Platform. Adopted Kubernetes to maintain the infrastructure as code.
- Created a check-in system for SoftBank's company-owned buses to analyze their usage pattern. Employees scan their employee badge to the Android device situated at the entrance of the bus. This system had been operated for six months with 100 to 150 users per day on average.
- Developed a security software for employees of SoftBank, which monitors and sends the information about currently active windows on the Windows PCs. I was responsible for building the Windows application.
- Created a web dashboard for smart CCTVs. I made a heatmap component to overlay on the original footage to make congestions apparent.
- Demonstrated a cutting-edge web conferencing system which SoftBank had developed at a technology tradeshow in Cambridge, England.

### Intern

#### Cyber Defence Institute, Inc.

Jun. 2017

Tokyo, JAPAN

- Leaned practical computer security and wrote a fuzzing tool for MQTT servers to find a security hole.

## EDUCATION

### M.S. in Information Science

#### Tohoku University

Apr. 2016 - Mar. 2018

Sendai, JAPAN

- Researched the safety of messaging protocols from the perspective of theoretical cryptography.
- Studied the mathematical foundation of modern cryptography.

### B.E. in Computer Science

#### Tohoku University

Apr. 2012 - Mar. 2016

Sendai, JAPAN

- Researched the methodology to prove the semantics of functional programs.
- Studied the mathematical foundation of functional programming languages.

## MESSAGE

I am a software engineer with a lot of 0 to 1 development experience. I am looking for a fullstack or backend engineering position.

## SIDE PROJECTS



### Bluetooth-Controlled Car

Control a toy car with your iPhone



### NFC Candy Dispenser Machine

Scan an NFC tag to get candies



### Mood Tracking App

Monitor your emotional cycle

## PERSONAL HISTORY



### Runner-up Best Attraction

Showcased my realtime strategy game at my high school's annual festival.



### Survival in India for 2 Weeks

Robbed of everything on day 1 except for my passport and a flight ticket.



### Shakespeare Company Japan

Performed as an actor in many places including Tokyo and tsunami-hit areas.

## SKILLS

Project Leadership

System Design

GCP

Firebase

Docker

Kubernetes

Web

iOS

Android

Arduino

Linux

macOS

Windows

Spring

Django

Express

React

Swift

Kotlin

Java

Go

Python

TypeScript

JavaScript

C

C#

Rust

Shell

Lisp

Haskell

## LANGUAGES

Japanese

English

Mandarin

Spanish

